

Product Information

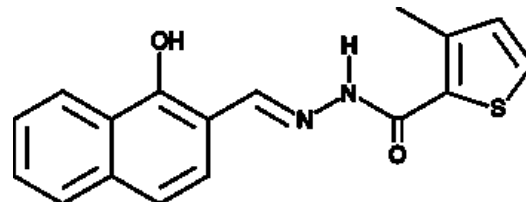


PCNA-I1

Cat No: 20454 - 5 mg

General Data

Shipping:	dry ice
Formulation:	A crystalline solid
Purity:	≥98%



Product Overview

PCNA-I1 is an inhibitor of proliferating cell nuclear antigen (PCNA) that binds to PCNA trimers ($K_d = 0.41 \mu\text{M}$) and dose-dependently reduces the level of PCNA associated with chromatin in PC3 cells.^{43201} It preferentially inhibits growth of a variety of human and mouse cancer cell lines ($\text{IC}_{50}\text{s} = 0.05\text{-}0.3 \mu\text{M}$) over non-transformed cells ($\text{IC}_{50}\text{s} = 0.99\text{-}2 \mu\text{M}$). PCNA-I1 leads to an accumulation of cells in the G1 phase during the first 24 hours of incubation and halts the cell cycle in the S and G2/M phases by 72 hours following treatment. It also reduces tumor growth in an LNCaP prostate cancer mouse xenograft model when administered at a dose of 10 mg/kg, five days per week, for two weeks.^{43202}

FP/19/24

For research laboratory use only – Not for human diagnostic use.

Buyers agree to purchase the material subject to Purchasing Terms that can be found on our website. Seek appropriate training to safely handle this product under normal conditions. Use the recommended personal protective equipment to prevent chemical exposures.

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